CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 :2005

T-2377

Job No.: CTCE/BBMP/W.No.13/RM/CSR-05/829f/CEMENT/2015-16 Date: 04.05.2015

TEST REPORT ON CEMENT

* CUSTOMER	:	**Executive Engineer,** Dasarahalli Division, BBMP, Bangalore.
*AGENCY	:	**Mr. R. Mangalaraju** No. 11/2, 3rd Stage, 3rd Block, Saneguruvanahalli, Basaveshwaranagar, Bangalore – 560 079.
*NAME OF THE WORK	:	Improvements to roads & drains in 6th Cross Road at Santhoshnagara in Ward No. 13 in SSD, BBMP, Bangalore.
REFERENCE	:	EE/DD/WO/73/2014-15 Dated: 26.06.2014
SAMPLE ID	:	Cement – Sample 1
SAMPLE RECEIVED ON	:	02.05.2015
PERIOD OF TESTING	:	02.05.2015 to 04.05.2015

The results of the tests conducted on the cement sample are as follows:

Sl. No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 8112-2013
1	Standard Consistency	IS-4031 (Part -4) 1988(RA-2009)	27.50 %	-
2	a) Initial Setting Time	IS-4031 (Part -5) 1988(RA-2009)	170 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5) 1988(RA-2009)	485 Minutes	Not More than 600 Minutes
3	Soundness by Le Chartlier Method	IS-4031 (Part-3) 1988(RA-2009)	1 mm	Not more than 10mm

*Information is furnished by the Customer/Representative.

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Note:

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⇒ The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒ Any Query regarding the report must be reported within 30 days from the date of testing.

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VISHWANATH .C
Quality Manager

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Building & Highway Material Testing Laboratory

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T-2377

Job No.: CTCE/BBMP/W.No.13/RM/CSR-05/829f/SAND-Gradation/2015-16 : 04.05.2015

TEST REPORT ON DETERMINATION GRADATION OF FINE AGGREGATES

*** Customer** : **Executive Engineer,** Dasarahalli Division, BBMP, Bangalore.

*** Agency** : **Mr. R. Mangalaraju**
No. 11/2, 3rd Stage, 3rd Block, Saneguruvanahalli, Basaveshwaranagar, Bangalore – 560 079.

*** Name of Work** : Improvements to roads & drains in 6th Cross Road at Santhoshnagara in Ward No. 13 in SSD, BBMP, Bangalore.

Reference : EE/DD/WO/73/2014-15 Dated: 26.06.2014

Technical Reference : IS : 2386 Part 1 - 1963 RA-2007

Sample ID : Fine Aggregates - Sample 1

Sample Received on : 02.05.2015

Date of Testing : 04.05.2015

Total Wt. of Aggregates in gms **1000**

Is Sieve Size in mm	Cumulative Weight Passing in %	Spec.Limits as per IS 383-1970 (RA- 2007)			
		Zone-I	Zone-II	Zone-III	Zone-IV
10	100	100	100	100	100
4.75	94.10	90-100	90-100	90-100	95-100
2.36	75.60	60-95	75-100	85-100	95-100
1.18	56.20	30-70	55-90	75-100	90-100
600 Micron	38.00	15-34	35-59	60-79	80-100
300 Micron	13.70	5-20	8-30	12-40	15-50
150 Micron	3.80	0-10	0-10	0-10	0-15

* Information is furnished by the Customer/Representative

Remarks : This sample is under Zone-II specific limits.

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3. Any Query regarding the report must be reported within 30 days from the date of testing.

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VISHWANATH .C
Quality Manager

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ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

Basaveshwaranagar, Bangalore-79.

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Job No: CTCE/BBMP/W.No.13/RM/CSR-05/829[/AGG/GR/2015-16 : 04.05.2015

TEST REPORT ON COARSE AGGREGATES

* Customer	: **Executive Engineer,** Dasarahalli Division, BBMP, Bangalore.
* Agency	: **Mr. R. Mangalaraju** No. 11/2, 3rd Stage, 3rd Block, Saneguruvanahalli, Basaveshwaranagar, Bangalore – 560 079.
* Name of Work	: Improvements to roads & drains in 6th Cross Road at Santhoshnagara in Ward No. 13 in SSD, BBMP, Bangalore.
Reference	: EE/DD/WO/73/2014-15 Dated: 26.06.2014
Technical Reference	: IS : 2386 Part 1 -1963 RA-2007
Sample ID	: Coarse Aggregates (40mm) - Sample 1
Sample Received on	: 02.05.2015
Date of Testing	: 04.05.2015

Total Wt. of Aggregates in gms= **10000**

Is Sieve Size in mm	Cumulative Weight Passing in %	Spec.Limits as per IS 383-1970 (RA- 2007)	
		Graded	Single Sized
80	100	100	-
63	100	-	100
40	97.05	95-100	85-100
20	35.80	30-70	0-20
10	11.62	10-35	0-5
4.75	2.04	0-5	-

* Information is furnished by the Customer/Representative

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Remarks : This sample is under Graded specific limits.

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AE-13

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VISHWANATH .C
Quality Manager

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Building & Highway Material Testing Laboratory
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JAS-ANZ BSCIC ISO 9001 REGISTERED

Job No.: CTCE/BBMP/W.No.13/RM/STEEL/2015-16 27.05.2015

TEST REPORT ON REINFORCEMENT STEEL

Client	:	**Executive Engineer,** Dasarahalli Division, BBMP, Bangalore.
Agency	:	**Mr. R. Mangalaraju** No. 11/2, 3rd Stage, 3rd Block, Saneguruvanahalli, Basaveshwaranagar, Bangalore – 560 079.
Name of the Work	:	Improvements to roads & drains in 6th Cross Road at Santhoshnagara in Ward No. 13 in SSD, BBMP, Bangalore.
Reference	:	EE/DD/WO/73/2014-15 Dated: 26.06.2014
Date of Test	:	27.05.2015
Technical Reference	:	IS: 1786-2008

Sl. No	Nominal size (dia) (mm)	Mass per metre (Kg/mtr)	TENSILE STRENGTH			Bend Test	Rebend Test
			0.20% proof stress/Yield stress N/mm²	Tensile strength (Ultimate stress) N/mm²	Elongation percent gauge length		
1	8	0.40	512	555	13.10	O.K	O.K

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M/s. Civil-Tech Consultants & Engineers
23/14, 7th Cross, 3rd Stage,
4th Block, Shakthiganapathinagara,
Basaveshwaranagar,
Bangalore-560079.

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